

AMENDMENTS

Listing of Claims:

1-33 (canceled)

34. (new) A method of inhibiting the formation of inhibin/betaglycan complexes on the surface of a cell by contacting the cell with an anti-betaglycan antibody.

35. The method of claim 34, wherein activin-induced signaling in the cell is increased.

36. (new) The method of claim 35, wherein the cell is a pituitary cell.

37. (new) The method of claim 36, wherein the pituitary cell increases production of follicle stimulating hormone (FSH).

38. (new) The method of claim 34, wherein the method is used to treat reproductive, developmental, skin, bone, hepatic, hematopoietic or central nervous system disorders.

39. (new) The method of claim 38, wherein the method is used to treat a reproductive disorder.

40. (new) The method of claim 39, wherein the reproductive disorder is reduced fertility.